

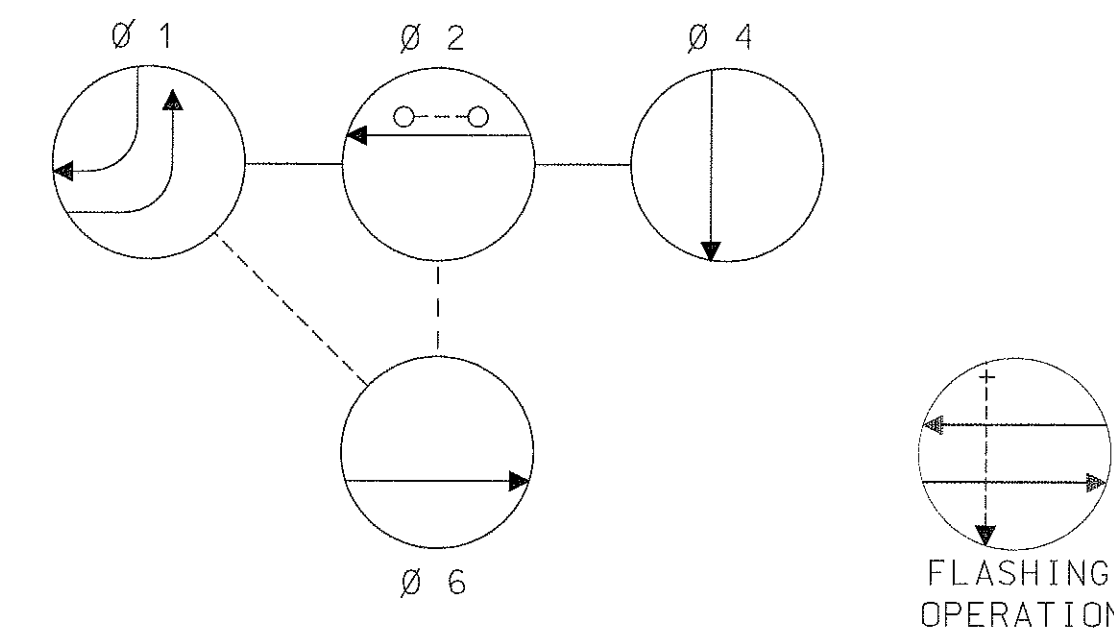
CONSTRUCTION DETAILS

- INSTALL 27 FT. MAST ARM POLE WITH 70 FT. MAST ARM, SIGNAL HEADS, A 15 FT. LIGHTING ARM WITH A 250 WATT HPSV LUMINAIRE AND PEDESTRIAN SIGNAL HEAD (NOTE: 1-2 IN. AND 2-3 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS)
- INSTALL 27 FT. MAST ARM POLE WITH TWIN 50 FT./70 FT. MAST ARMS, SIGNAL HEADS, SIGNS, 15 FT. STREET LIGHTING ARM WITH A 250 WATT HPSV LUMINAIRE (NOTE: 1-2 IN. AND 2-3 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BENDS)
- INSTALL ELECTRICAL HANDHOLE
- INSTALL NON-EVASIVE MICRO-LOOP PROBES WITH 1000 FT LEAD-IN
- INSTALL HANDHOLE OVER EXISTING CONDUIT
- INSTALL 3 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - BORED
- INSTALL 4 IN. SCHEDULE 80 RIGID PVC ELECTRICAL CONDUIT - TRENCHED
- USE EXISTING HANDHOLE
- CAP AND ABANDON EXISTING CONDUIT
- REMOVE EXISTING SPAN WIRE, SIGNAL HEADS, AND SIGNS
- REMOVE EXISTING STRAIN POLE
- REMOVE EXISTING MONOTUBE POLE, STRUCTURE SIGNAL HEADS, AND SIGNS
- INSTALL 1 IN. GALVANIZED STEEL ELECTRICAL CONDUIT (DETECTOR WIRE SLEEVE)
- INSTALL 12 IN. WHITE HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING (DETECTOR WIRE SLEEVE)
- REMOVE EXISTING HANDHOLE
- USE EXISTING CONDUIT
- USE EXISTING BASE MOUNTED CABINET AND CONTROLLER (INSTALL 1-4 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND)
- USE EXISTING DETECTOR
- INSTALL 6 FT. X 6 FT. LOOP DETECTOR ENCASED IN 1/4 IN. FLEXIBLE TUBING (4-TURNS)
- INSTALL 1 IN. LIQUID-TIGHT FLEXIBLE NON-METALLIC CONDUIT (DETECTOR WIRE SLEEVE)
- REMOVE GROUND MOUNTED SIGN AND SUPPORT
- REMOVE EXISTING PAVEMENT MARKINGS TO CREATE A 10 FT. LINE WITH A 30 FT. GAP
- INSTALL HEAT APPLIED PERMANENT PREFORMED THERMOPLASTIC PAVEMENT MARKING ARROW
- INSTALL 10 FT. BREAKAWAY POLE WITH PEDESTRIAN SIGNAL HEAD (NOTE: 1-3 IN. SCHEDULE 80, 90 DEGREE PVC CONDUIT BEND)
- PROPOSED UNDERGROUND ELECTRICAL SERVICE

GENERAL NOTES

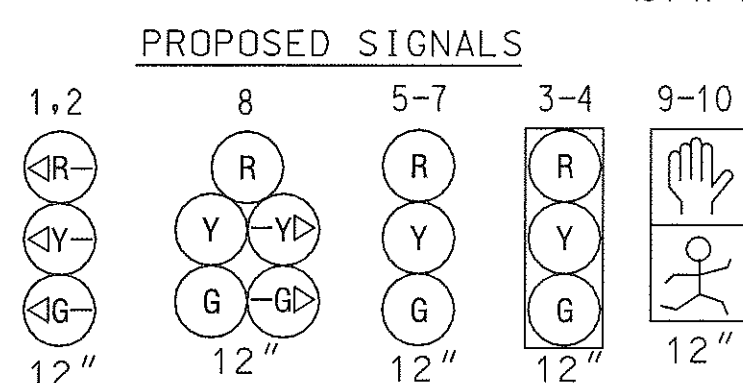
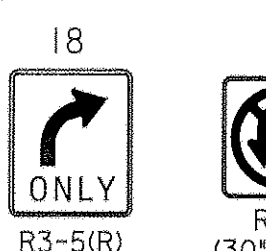
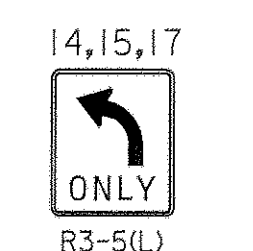
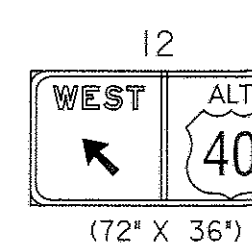
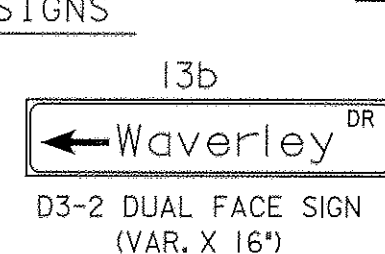
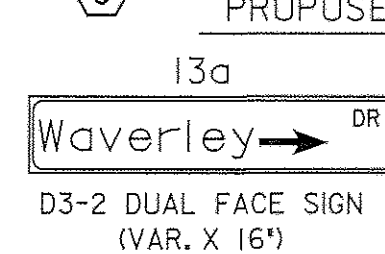
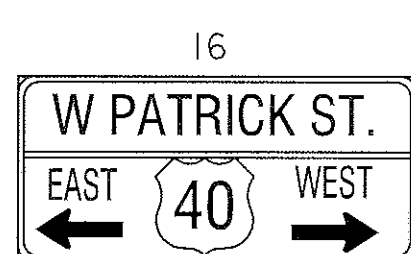
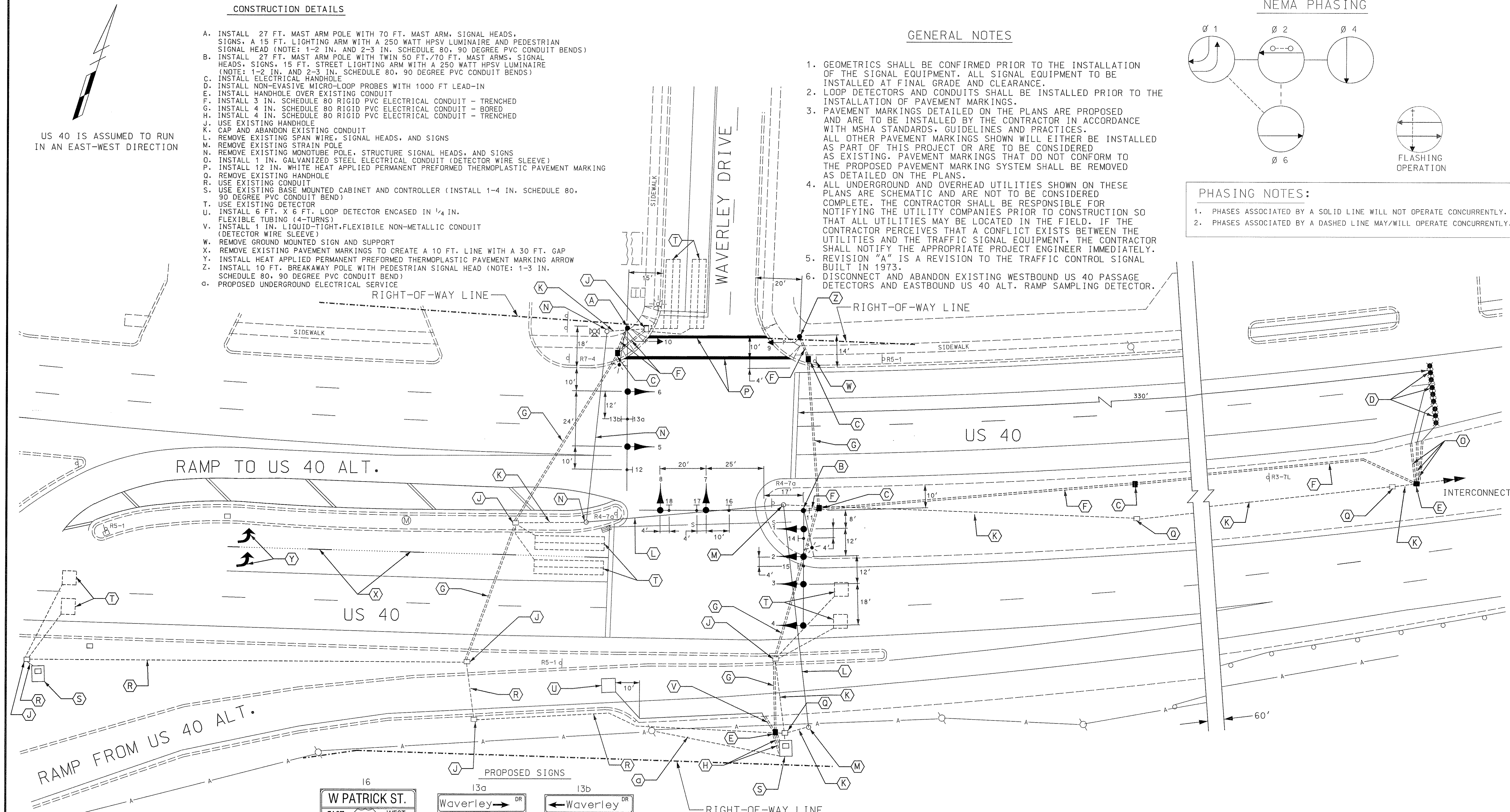
- GEOMETRICS SHALL BE CONFIRMED PRIOR TO THE INSTALLATION OF THE SIGNAL EQUIPMENT. ALL SIGNAL EQUIPMENT TO BE INSTALLED AT FINAL GRADE AND CLEARANCE.
- LOOP DETECTORS AND CONDUITS SHALL BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.
- PAVEMENT MARKINGS DETAILED ON THE PLANS ARE PROPOSED AND ARE TO BE INSTALLED BY THE CONTRACTOR IN ACCORDANCE WITH MSHA STANDARDS, GUIDELINES AND PRACTICES. ALL OTHER PAVEMENT MARKINGS SHOWN WILL EITHER BE INSTALLED AS PART OF THIS PROJECT OR ARE TO BE CONSIDERED AS EXISTING. PAVEMENT MARKINGS THAT DO NOT CONFORM TO THE PROPOSED PAVEMENT MARKING SYSTEM SHALL BE REMOVED AS DETAILED ON THE PLANS.
- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING THE UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT EXISTS BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL EQUIPMENT, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
- REVISION "A" IS A REVISION TO THE TRAFFIC CONTROL SIGNAL BUILT IN 1973.
- DISCONNECT AND ABANDON EXISTING WESTBOUND US 40 PASSAGE DETECTORS AND EASTBOUND US 40 ALT. RAMP SAMPLING DETECTOR.

NEMA PHASING



PHASING NOTES:

- PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY.
- PHASES ASSOCIATED BY A DASHED LINE MAY/WILL OPERATE CONCURRENTLY.



LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	—	A
ELECTRICAL	—	E
TELEPHONE	—	T
GAS	—	G
SEWER	—	S
WATER	—	W
CABLE TV	—	TV

TRAFFIC CONCEPTS, INC.

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Gambrills, MD 21054
(410) 923-7101

REVISIONS	APPROVALS
5-1-01 SHA NO. XX1005785 RECONSTRUCT TRAFFIC SIGNAL TMZ 1/1/1982	TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION ASST. CHIEF TRAFFIC ENGINEERING DESIGN DIVISION CHIEF TRAFFIC ENGINEERING DESIGN DIVISION DIRECTOR, TRAFFIC & SAFETY

MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
TRAFFIC SIGNALIZATION PLAN
US 40 AT WAVERLEY DRIVE

DRAWN BY: M. LINARDI	F.A.P. NO. 867-A	TS NO. 867-A	SHEET NO. 1 OF 2
CHECKED BY: 1' = 20"	S.H.A. NO. PA36095F B5F	T.I.M.S. NO. E619	
SCALE: 1' = 20"	COUNTY: FREDERICK	LOG MILE:	
DATE: 2-16-73			